

2012 STEM Funding Opportunities

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Varying Closing Dates

GRANT - Alfred P. Sloan Foundation – Deadline: Open Year-Round

The Foundation makes grants Year-Round to support original research and broad-based education related to science, technology, and economic performance; and to improve the quality of American life. Also, the Sloan Research Fellowships program seeks to recognize the achievements of outstanding young scholars in science, mathematics, economics and computer science. [READ MORE...](#)

GRANTS, SCHOLARSHIPS, COMPETITIONS, CONFERENCES (AIAA) – Deadline: Varies

The American Institute of Aeronautics Astronautics (AIAA) Foundation offers a wealth of resources to support educators at both the university level and K-12: scholarships, classroom grants, design competitions, and student conferences. This financial assistance allows educators and students to build scientific literacy and advance the arts and sciences of aerospace [READ MORE...](#)

GRANT – Wells Fargo Charitable Contributions – Deadline: Rolling

Wells Fargo supports educational programs that promote academic achievement for low to moderate income preK-12 students in math and science, literacy, and history of the American West. [READ MORE...](#)

INTERNSHIPS (NASA) - Career Exploration Program – Deadline: Varies

The Education Programs Office (EPO) offers multiple internship programs to high school, undergraduate, and graduate students who are interested in exploring the career possibilities at NASA. EPO programs encourage academic achievement and provide valuable on-the-job training and exposure to a variety of career fields directly related to NASA's technical workforce. [READ MORE...](#)

AWARD – Teach@15 – Deadline: Rolling

The Teach@15 Award program helps schools serving any grades 7-12 meet their technology needs. Teens (age 13-18) who are registered members on at15.com ("Members") can nominate their schools to win a Teach@15 Award. [READ MORE...](#)

CHALLENGE – The Global Challenge - Deadline: All Year

The Global Challenge is an online international competition that encourages learning in science, technology, engineering and mathematics. [READ MORE...](#)

FELLOWSHIPS (NASA) - JPL Graduate Fellowship – Deadline: Varies During the Year

This is a graduate fellowship project for U.S. citizens, legal permanent residents, and foreign nationals attending a U.S. university. Participants must spend their first ten weeks or more in the project working with science or engineering mentors in laboratories at JPL. JPLGF enhances JPL's relationships with students and their universities for the duration of their graduate studies, provides increased exposure for graduate students to space science/engineering and mission environment at JPL, and the visibility of JPL researchers. [READ MORE...](#)

January 2012

GRANT (NSF) - Promoting Research and Innovation in Methodologies for Evaluation – Deadline: 01/25/12

The (PRIME) program seeks to support research on evaluation with special emphasis on exploring innovative approaches for determining the impacts and usefulness of STEM education projects and programs; building on and expanding the theoretical foundations for evaluating STEM education and workforce development initiatives, including translating and adapting approaches from other fields; and growing the capacity and infrastructure of the evaluation field. [READ MORE...](#)

TEACHER INTERNSHIPS (NASA) – STAR Teacher Researcher Program - Deadline: 01/31/12

STAR is a summer research internship for aspiring science and mathematics teachers. The program is offered by the California State University in partnership with the US Department of Energy national research laboratories, NSF, NASA, federal agencies, and private research organizations. Over the past 5 summers STAR has offered 222 placements at 15 research sites in California, Colorado, Maryland, Tennessee, and Washington. [READ MORE...](#)

INTERNSHIPS (NASA) NASA Undergraduate Research Summer Internship – Deadline

01/30/12 Pairing qualified undergraduates with NASA-funded investigators at research locations around the country for 8 weeks during the summer. Students will spend the summer at the NASA scientist's home institution. [READ MORE...](#)

February 2012

GRANT (NSF) - Research on Gender in Science and Engineering – Deadline: 02/08/12

This program supports efforts to understand and address gender-based differences in STEM education and workforce participation through research, the diffusion of research-based innovations, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce. [READ MORE...](#)

GRANT (USDA) - Hispanic Serving Institutions (HSI) Education Grants Program – Deadline: 02/09/12

This competitive grants program is intended to promote and strengthen the ability of Hispanic-Serving Institutions to carry out higher education programs in the food and agricultural sciences. Programs aim to attract outstanding students and produce graduates capable of enhancing the Nation's food and agricultural scientific and professional work force. [READ MORE...](#)

GRANT (NSF) – Research in Engineering Education – Deadline: 02/10/12

Research areas of interest include, but are not limited to: Diversifying pathways to and through engineering degree programs. Research projects that align with this theme explore how engineering programs can engage and develop students with a broad range of backgrounds, interests, and experiences; investigate how informal or real world experiences germane to engineering. [READ MORE...](#)

COMPETITION (NASA) – The Great Moonbuggy Race - Deadline: 02/10/12

The Great Moonbuggy Race is an annual competition for Students who are required to design a vehicle that addresses a series of engineering problems that are similar to problems faced by the original Moonbuggy team. [READ MORE...](#)

INTERNSHIPS (NASA) Caltech Amgen Scholars Program – Deadline: 02/15/12

This 10-week summer program is designed for students majoring in biosciences, chemistry and bio-technical related fields. Students should have an interest in pursuing a Ph.D. or MD/Ph.D. in a related field. [READ MORE...](#)

FELLOWSHIPS (DoC) - NMFS-Sea Grant Fellowships in Population Dynamics – Deadline: 02/17/12

The Graduate Fellowship Program awards at least two new PhD fellowships each year to students who are interested in careers related to the population dynamics of living marine resources and the development and implementation of quantitative methods for assessing their status. Fellows will work on thesis problems of public interest and relevance to NMFS under the guidance of NMFS mentors at participating NMFS Science Centers or Laboratories. [READ MORE...](#)

**GRANT (DoT) - Garrett A. Morgan Technology and Transportation Education Program –
Deadline: 02/17/12**

The objective of this program is to improve the preparation of students, particularly women and minorities, in STEM through curriculum development and other activities related to Transportation education. [READ MORE...](#)

GRANT (DoC) - Coral Reef Conservation Program International Coral Reef Conservation Cooperative Agreements – Deadline: 02/17/12

The NOAA Coral Reef Conservation Grant Program (Grant Program), as authorized under the Coral Reef Conservation Act of 2000, provides matching grants of financial assistance for international coral reef conservation cooperative agreements. The Grant Program solicits proposals that will support the NOAA Coral Reef Conservation Program International Strategy 2010-2015 (International Strategy). [READ MORE...](#)

**GRANT (DoT) - Garrett A. Morgan Technology and Transportation Education Program –
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The objective of this program is to improve the preparation of students, particularly women and minorities, in STEM through curriculum development and other activities related to Transportation education. [READ MORE...](#)

**GRANT (NIH) - NLM Grants for Scholarly Works in Biomedicine and Health (G13) –
Deadline: 02/23/12**

NLM Grants for Scholarly Works in Biomedicine and Health are awarded for the preparation of book-length manuscripts and other scholarly works of value to U.S. health professionals, public health officials, biomedical researchers and historians of the health sciences. [READ MORE...](#)

**GRANT (NIH) - Postbaccalaureate Research Education Program (PREP) – Deadline:
02/24/12**

This announcement issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH), encourages Research Education Grant (R25) applications from institutions that propose to develop recent baccalaureate science graduates from diverse backgrounds so that they have the necessary knowledge and skills to pursue PhD or MD-PhD degrees in biomedical and behavioral sciences. [READ MORE...](#)

March 2012

GRANT (USDA) - Alaska Native-Serving and Native Hawaiian-Serving Institutions

Education Competitive Grants Program (ANNH) – Deadline: 03/01/12

The purpose of this program is to promote and strengthen the ability of Alaska Native-Serving Institutions and Native Hawaiian-Serving Institutions to carry out education, applied research, and related community development programs. NIFA intends this program to address educational needs, as determined by each institution, within a broadly defined arena of food and agricultural sciences-related disciplines. [READ MORE...](#)

GRANT (USDA) - Resident Instruction Grants Program for Institutions of Higher Education in Insular Areas (RIIA) – Deadline: 03/01/12

The purpose of this program is to promote and strengthen the ability of Insular Area Institutions to carry out teaching and education programs within a broadly defined arena of food and agricultural sciences-related disciplines. By strengthening institutional educational capacities in instruction and curriculum, and enhancing the quality of teaching and learning, NIFA intends that this program will help Insular Area Institutions meet their unique needs. [READ MORE...](#)

GRANT (USDA) - Distance Education Grants Program for Institutions of Higher Education in Insular Areas (DEG) – Deadline: 03/01/12

The purpose of this program is to strengthen the capacity of Institutions of Higher Education in Insular Areas to carry out resident instruction, curriculum, and teaching programs in the food and agricultural sciences through distance education technology. This program focuses on improving formal, postsecondary agricultural sciences education. [READ MORE...](#)

GRANT (NSF) - Ethics Education in Science and Engineering – Deadline: 03/01/12

This program funds research and educational projects that improve ethics education in all fields of science and engineering that NSF supports, with priority consideration given to interdisciplinary, inter-institutional, and international contexts. Although the primary focus is on improving ethics education for graduate students in NSF-funded fields, the proposed programs may benefit advanced undergraduates as well. [READ MORE...](#)

GRANT (DoC) - 2012 Marine Education and Training Mini Grant Program – Deadline: 03/02/12

Projects are being solicited to improve communication, education, and training on marine resource issues throughout the region and increase scientific education for marine-related professions among coastal community residents, including indigenous Pacific islanders, Native Hawaiians and other underrepresented groups in the region. [READ MORE...](#)

GRANT (NSF) - Math and Science Partnership – Deadline: 03/05/12

The Math and Science Partnership (MSP) program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. MSP projects are expected to raise the achievement levels of all students and significantly reduce achievement gaps in the STEM performance of diverse student populations. [READ MORE...](#)

FELLOWSHIP (Institute for Research in BioMedicine) – Deadline: 03/06/12

The IRB Barcelona International Postdoctoral Programme (IRBPostPro) aims to attract highly talented scientists seeking advanced research training and career development opportunities in a competitive international environment. [READ MORE...](#)

GRANT (USDA) - Hispanic Serving Institutions (HSI) Education Grants Program – Deadline: 03/08/12

This competitive grants program is intended to promote and strengthen the ability of Hispanic-Serving Institutions to carry out higher education programs in the food and agricultural sciences. Programs aim to attract outstanding students and produce graduates capable of enhancing the Nation's food and agricultural scientific and professional work force. [READ MORE...](#)

GRANT (NSF) - Transforming STEM Learning – Deadline: 03/09/12

The TSL program invites interdisciplinary teams of STEM content specialists, experts in relevant technologies, STEM formal and informal education specialists, researchers with expertise in the learning sciences, and specialists in education research and evaluation methods to submit proposals for research projects that (1) Study efficacy of existing prototypes for innovations like virtual schools, special STEM schools, and educational programs that combine opportunities of formal and informal learning resources in their communities; [READ MORE...](#)

GRANT (NSF) - Historically Black Colleges and Universities - Undergraduate Program – Deadline: 03/12/12

The Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) is committed to enhancing the quality of undergraduate STEM education and research at HBCUs as a means to broaden participation in the nation's STEM workforce. To this end, HBCU-UP provides awards to develop, implement, and study innovative models and approaches for making dramatic improvements in the preparation and success of HBCU undergraduate students so that they may participate successfully in STEM graduate programs and/or careers in STEM disciplines. [READ MORE...](#)

GRANT (Braitmayer Foundation) – Deadline: 03/15/12

The Foundation is interested in proposals utilizing innovative practices in K-12 education throughout the United States. [READ MORE...](#)

CHALLENGE (NASA) – Spaced Out Sports Design Challenge – Deadline: 03/16/12

“Spaced Out Sports” is a national student design challenge geared toward grades 5-8. The purpose is for students to apply Newton's Laws of Motion by designing or redesigning a game for International Space Station (ISS) astronauts to play in space. As students design a new sport, they will learn about Newton's Laws of Motion and the effect of gravity on an object. [READ](#)

[MORE...](#)

SCHOLARSHIPS/FELLOWSHIPS (Homeland Security) - DHS HS-STEM Career Development Grants – Deadline: 03/22/12

The CDG program enables U.S. accredited four-year colleges and universities with existing and/or proposed programs in homeland security-related science, technology, engineering or mathematics to award undergraduate scholarships and/or graduate fellowships to qualified students who intend to pursue homeland security scientific, technology, engineering, or mathematic careers. [READ MORE...](#)

GRANT (NSF) - Robert Noyce Teacher Scholarship Program – Deadline: 03/26/12

The Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The Noyce Scholarship Track provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who earn a teaching credential and commit to teaching in high-need K-12 school districts. [READ MORE...](#)

GRANT (NSF) - Research Initiation Grants in Engineering Education – Deadline: 03/29/12

This program enables engineering faculty who are renowned for teaching, mentoring, or leading educational reform efforts on their campus to initiate collaborations with colleagues in the learning and cognitive sciences to address difficult, boundary-spanning problems in how we educate engineers. [READ MORE...](#)

GRANT (NSF) - Emerging Frontiers in Research and Innovation – Deadline: 03/30/12

The EFRI Office is launching a new funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. [READ MORE...](#)

April 2012

GRANT (NSF) - Computing Education for the 21st Century – Deadline: 04/09/12

The Computing Education for the 21st Century (CE21) program aims to build a robust computing research community, a computationally competent 21st century workforce, and a computationally empowered citizenry. In this undertaking, there are three interrelated challenges: the significant underproduction of degrees needed for the computing and computing-related

workforce, the longstanding underrepresentation of many segments of our population, and the lack of a presence of computing in K-12. [READ MORE...](#)

SCHOLARSHIPS (NSF) - Federal Cyber Service: Scholarship for Service – Deadline: 04/17/12

The Federal Cyber Service: Scholarship for Service (SFS) program seeks to increase the number of qualified students entering the fields of information assurance and cybersecurity and to increase the capacity of the United States higher education enterprise to continue to produce professionals in these fields to meet the needs of our increasingly technological society. [READ MORE...](#)

May 2012

GRANT (NSF) - Integrative Graduate Education and Research Traineeship Program – Deadline: 05/01/12

The Integrative Graduate Education and Research Traineeship (IGERT) program has been developed to meet the challenges of educating U.S. Ph.D. scientists and engineers with interdisciplinary backgrounds, deep knowledge in chosen disciplines, and technical, professional, and personal skills. [READ MORE...](#)

GRANT (NSF) - Partnerships for International Research and Education – Deadline: 05/15/12

This program is an NSF-wide program that supports international activities across all NSF supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. [READ MORE...](#)

GRANT (NIGMS) - MARC Undergraduate Student Training in Academic Research (U-STAR) National Research Service Award (NRSA) Institutional Research Training Grant – Deadline: 05/25/12

The National Institute of General Medical Sciences (NIH) will award Minority Access to Research Careers (MARC) Undergraduate Student Training in Academic Research (U-STAR) National Research Service Act (NRSA) Training grants to eligible institutions as a means of supporting undergraduate academic and research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical and behavioral research agenda. [READ MORE...](#)

June 2012

GRANT (NSF) - Research Experiences for Undergraduates – Deadline: 06/01/12

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. [READ MORE...](#)

GRANT (NSF) - Research Training Groups in the Mathematical Sciences – Deadline: 06/05/12

This program is to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences and in other NSF-supported disciplines. RTG supports education through research involvement in groups centered on a common research interest that span the entire spectrum of educational levels from undergraduates through postdoctoral associates. [READ MORE...](#)

GRANT (NSF) - Mentoring Through Critical Transition Points in the Mathematical Sciences – Deadline: 06/05/12

The Mentoring Through Critical Transition Points in the Mathematical Sciences (MCTP) activity is part of the Workforce Program. MCTP supports education through research involvement of cohorts of trainees at specific stages of professional development that have been identified as crucial to career success. [READ MORE...](#)

GRANT (NSF) - Workforce Program in the Mathematical Sciences – Deadline: 06/15/12

The long-range goal of the DMS Workforce Program is to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who successfully pursue careers in the mathematical sciences and in other NSF-supported disciplines. The program's primary interest is in activities centered on education through research involvement for trainees at the undergraduate through postdoctoral educational levels. [READ MORE...](#)

GRANT (NIH) - NCRR Science Education Partnership Award (SEPA) – Deadline: 06/22/12

NCRR encourages applications to its SEPA program for the development and evaluation of innovative research education programs to improve PreK-12 research career opportunities and the community's understanding of the health science advances supported by the funded clinical and basic research. [READ MORE...](#)

July 2012

GRANT (NSF) - Faculty Early Career Development (CAREER) Program – Deadline: 07/25/12

This program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. [READ MORE...](#)

August 2012

GRANT (NSF) - Partnerships in Astronomy & Astrophysics Research and Education – Deadline: 08/03/12

The objective of PAARE is to enhance diversity in astronomy and astrophysics research and education by stimulating the development of formal, long-term, collaborative research and education partnerships among minority-serving institutions and partners at research institutions, including academic institutions, private observatories and NSF Division of Astronomical Sciences (AST) supported facilities. [READ MORE...](#)

SCHOLARSHIPS (NSF) - NSF Scholarships in Science, Technology, Engineering, and Mathematics – Deadline: 08/14/12

This program makes grants to institutions of higher education to support scholarships for academically talented students demonstrating financial need, enabling them to enter the STEM workforce or STEM graduate school following completion of an associate, baccalaureate, or graduate-level degree in science, technology, engineering or mathematics disciplines. [READ MORE...](#)

September 2012

CHALLENGE (NSTA) - Shell Science Lab Challenge – Deadline: Fall 2012

This Challenge invites middle and high school science teachers (Grades 6–12) in the United States and Canada (with special attention to urban and underrepresented groups) to illustrate replicable approaches to science lab instruction utilizing limited school and laboratory resources.

Teachers and schools submitting top entries will receive additional laboratory tools, resources, and rich professional development opportunities. [READ MORE...](#)

GRANT (NIH) - NIH Summer Research Experience Programs – Deadline: 09/06/12

The purpose of the NIH Summer Research Experience Program (referred to as the Summer Research Program) is to provide a high quality research experience for high school and college students and for science teachers during the summer academic break. [READ MORE...](#)

GRANT (NSF) - Science, Technology, Engineering, and Mathematics Talent Expansion Program – Deadline: 09/25/12

The Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP) seeks to increase the number of students (U.S. citizens or permanent residents) receiving associate or baccalaureate degrees in established or emerging fields within science, technology, engineering, and mathematics (STEM). [READ MORE...](#)

GRANT (DoD) - FY12 Funding Opportunity Announcement (FOA) for Navy and Marine Corps Science, Technology, Engineering & Mathematics (STEM) Programs – Deadline: 09/30/12

The purpose of this announcement is to receive proposals in support of the Naval Strategic Plan and the Office of Naval Research's scientific outreach and education mission to develop its next generation of scientists and engineers. [READ MORE...](#)

GRANT (DoD) - Long Range BAA for Navy and Marine Corps Science and Technology – Deadline: 09/30/12

This BAA is intended for proposals related to basic research, applied research, or advanced technology development. [READ MORE...](#)

October 2012

GRANT (NSF) - Research Experiences for Teachers (RET) in Engineering and Computer Science – Deadline: 10/01/12

The goal is to help build long-term collaborative partnerships between K-12 STEM teachers, community college faculty, and the NSF university research community by involving the teachers and community college faculty in engineering and computer science research and helping them translate their research experiences and new knowledge into classroom activities. [READ MORE...](#)

GRANT (NSF) - Research Experiences for Teachers (RET) in Engineering and Computer Science – Deadline: 10/01/12

The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), Research Experiences for Teachers (RET) in Engineering and Computer Science program supports the active involvement of K-12 science, technology, engineering, computer and information science, and mathematics (STEM) teachers and community college faculty in engineering and computer science research in order to bring knowledge of engineering, computer science, and technological innovation into their classrooms.

[READ MORE...](#)

AWARD - Shell Science Teaching Award – Deadline: 10/17/12

This award recognizes one outstanding classroom science teacher (K–12) who has had a positive impact on his or her students, school, and community through exemplary classroom science teaching. [READ MORE...](#)

GRANT (NSF) - Arctic Research Opportunities – Deadline: 10/18/12

The National Science Foundation (NSF) invites investigators at U.S. organizations to submit proposals to conduct research about the Arctic. Arctic research includes field and modeling studies, data analysis, and synthesis about the arctic region. [READ MORE...](#)

GRANT (NSF) - Advanced Technological Education – Deadline: 10/18/12

With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. [READ MORE...](#)

GRANT (NSF) - Education and Interdisciplinary Research – Deadline: 10/31/12

Supports activities in conjunction with NSF-wide programs such as Faculty Early Career Development (CAREER), Research Experiences for Undergraduates (REU), and programs aimed at women, minorities, and persons with disabilities. [READ MORE...](#)

GRANT (NSF) - Solid State and Materials Chemistry – Deadline: 10/31/12

This multidisciplinary program supports basic research in solid state and materials chemistry comprising the elucidation of the atomic and molecular basis for material development and properties in the solid state from the nanoscale to the bulk. General areas of interest include but are not limited to innovative approaches to design, synthesis, bulk crystal and/or film growth, and characterization of novel organic, inorganic, and hybrid materials. [READ MORE...](#)

November 2012

SCHOLARSHIP - Winston Churchill Foundation Scholarship Deadline: 11/13/12

The Foundation's Scholarship Program offers the opportunity to spend one year of study and research at Churchill College Cambridge to U.S. citizens enrolled at American colleges and universities. The newest of the colleges at the University of Cambridge, Churchill College is focused on the sciences, engineering, and mathematics. [READ MORE...](#)

GRANT (NSF) - Applied Mathematics – Deadline: 11/15/12

The Applied Mathematics program supports mathematics research motivated by or having an effect on problems arising in science and engineering. Mathematical merit and novelty, as well as breadth and quality of impact on applications, are important factors. [READ MORE...](#)

COMPETITION (NASA) - Fourth Annual Lunabotics Mining Competition – Opens: 12/01/12

NASA is challenging undergraduate and graduate student teams to design and build a remote-controlled or autonomous excavator that could be applied to an actual lunar excavation device or payload. The excavator must be able to mine and deposit a minimum of 10 kilograms (22 pounds) of lunar simulant in 10 minutes. [READ MORE...](#)

AWARD - SeaWorld Parks and Entertainment Outstanding Environmental Educator of the Year – Deadline: 2/29/12

This award recognizes and rewards the outstanding teacher out of eight award winning programs selected to receive the SeaWorld Environmental Excellence Award. [READ MORE...](#)

AWARD -“Angela” Award – Deadline: 11/30/12

This award honors one female student in grades 5–8, who is involved in or has a strong connection to science. The award has been established in honor of Gerry Wheeler, Executive Director Emeritus, and his outstanding dedication to NTSA and lifelong commitment to science education. [READ MORE...](#)

AWARD - DCAT “Making a Difference” Award – Deadline: 11/30/12

This award will recognize and honor excellence in a science program developed and implemented by middle- or high school-level science teachers, grades 6–12. Entries must show innovative and effective teaching strategies combined with a science program that has influenced students to explore and investigate science and its application to global problems. [READ MORE...](#)

AWARD - Delta Education/Frey-Neo/CPO Science Education Awards for Excellence in Inquiry-based Science Teaching – Deadline: 11/30/12

The Delta Education/Frey-Neo/CPO Science AWARD for Excellence in Inquiry-based Science Teaching will recognize and honor three (3) full-time PreK–12 teachers of science who successfully use inquiry-based science to enhance teaching and learning in their classroom.

[READ MORE...](#)

AWARD - Distinguished Informal Science Education Award – Deadline: 11/30/12

This award honors one NSTA member who has made extraordinary contributions to the advancement of science education in an informal or nontraditional school setting, such as a science-technology center, museum, or community science center. [READ MORE...](#)

AWARD - Distinguished Service to Science Education AWARD – Deadline: 11/30/12

These awards honor NSTA members who, through active leadership and scholarly endeavor over a significant period of time, have made extraordinary contributions to the advancement of education in the sciences and science teaching. [READ MORE...](#)

AWARD - Distinguished Teaching AWARD – Deadline: 11/30/12

This award honors NSTA members who are teachers that have made extraordinary contributions to the field of science teaching. [READ MORE...](#)

AWARD - Faraday Science Communicator Award – Deadline: 11/30/12

This award, named in honor of Michael Faraday (1791–1867), the English chemist and physicist who is known for his pioneering experiments in electricity and magnetism. Through lectures and letters, Faraday led people of all ages to a greater understanding of the natural scientific laws that govern us all. The Faraday Science Communicator Award will recognize and reward an individual or organization that has inspired and elevated the public's interest in and appreciation of science. [READ MORE...](#)

AWARD - Maitland P. Simmons Memorial Award for New Teachers- Deadline: 11/30/12

The Maitland P. Simmons Memorial Award for New Teachers provides selected K–12 teachers (up to 25) in their first five years of teaching with funds to attend the annual National Conference on Science Education. [READ MORE...](#)

AWARD - Ron Mardigian Memorial Biotechnology Explorer Award – Deadline: 11/30/12

The Ron Mardigian Memorial Biotechnology Explorer Award will recognize and reward an outstanding high school teacher who has made biotechnology learning accessible to the classroom. This award has been established in memory of Ron Mardigian, the inspiration behind and founder of the Biotechnology Explorer program. [READ MORE...](#)

AWARD - NSTA Fellow Award – Deadline: 11/30/12

This award recognizes NSTA members who have made extraordinary contributions to science education through personal commitment to education, specifically science teaching or science; educational endeavors and original work that position recipients as exemplary leaders in their field; significant contributions to the profession that reflect dedication to NSTA as well the entire educational community. [READ MORE...](#)

AWARD - NSTA Legacy Award – Deadline: 11/30/12

This NSTA award posthumously recognizes long-standing members of NSTA for significant lifelong service to NSTA and contributions to science education. [READ MORE...](#)

AWARD - Robert H. Carleton Award – Deadline: 11/30/12

This is the most prestigious award an NSTA member can receive. The Robert H. Carleton Award recognizes one individual who has made outstanding contributions to, and provided leadership in, science education at the national level and to NSTA in particular. It is NSTA's highest honor. This award is sponsored by the Dow Chemical Company. [READ MORE...](#)

AWARD - Sylvia Shugrue Award for Elementary School Teachers – Deadline: 11/30/12

This award honors one elementary school teacher who has established (or is establishing) an interdisciplinary, inquiry-based lesson plan. The lesson plan will fully reference sources of information and any relevant National Science Education Standards and benchmarks found in the *Atlas of Science Literacy*. [READ MORE...](#)

AWARD - Vernier Software & Technology/National Science Teachers Association Tech Award - Deadline: 11/30/12

The Vernier/NSTA Technology Awards promote the innovative use of data-collection technology using a computer, graphing calculator, or other handheld in the science classroom. [READ MORE...](#)

AWARD - PASCO STEM Educator Awards – Deadline: 11/30/12

The PASCO STEM Educator awards, sponsored by PASCO scientific, in partnership with NSTA, recognizes excellence and innovation in the field of STEM education at the elementary, middle school, and high school levels. [READ MORE...](#)

**AWARD - Wendell G. Mohling Outstanding Aerospace Educator Award –
Deadline: 11/30/12**

This award recognizes excellence in the field of aerospace education. The recipient of the award will be honored during the AWARD Banquet and the Aerospace Educators Luncheon at the

NSTA Conference. This NSTA award is sponsored by Sally Ride Science and The Challenger Center for Space Science Education. [READ MORE...](#)

December 2012

SCHOLARSHIP (DoD) - SMART Scholarship Program – Opens: 08/01/12

The Science, Mathematics And Research for Transformation (SMART) Scholarship for Service Program has been established by the Department of Defense (DoD) to support undergraduate and graduate students pursuing degrees in Science, Technology, Engineering and Mathematics (STEM) disciplines. The program aims to increase the number of civilian scientists and engineers working at DoD laboratories. [READ MORE...](#)

Other STEM Opportunities

CAMP (NASA) – Astro Camp – Registration Opens January for Spring 2012

During the spring and summer months, Stennis Space Center offers Astro Camp, Astro STARS and, on select weekends throughout the year, Astro Camp Saturdays. The week-long sessions of Astro Camp (ages 7-12) and Astro STARS (ages 13-15) focus on activities that engage campers in hands-on activities, computer learning experiences, onsite field trips and presentations by Stennis engineers and scientists. [READ MORE...](#)

PROFESSIONAL DEVELOPMENT (NASA) - Center for Astronomy Education – Registration Open for Spring/Summer 2012 Workshops

The CAE is a professional development project for instructors of the introductory astronomy course, with emphasis on community colleges. [READ MORE...](#)

COMPETITION (NASA) - Rock Around the World – Deadline: Ongoing

Mars scientists are asking students from around the world to help them understand the red planet. Send in a rock collected by you or your classroom from your region of the world, and we will use a special tool like the one on the rover to tell you what it's made of. Then everyone can compare their rocks to the ones found on Mars. [READ MORE...](#)

COMPETITION (NASA) - Odyssey of the Mind--Weird Science – Deadline: Varies

NASA is sponsoring the Odyssey of the Mind Long-Term Problem -- Weird Science. To solve this problem, teams create and present a performance about a team of scientists on an expedition to uncover the cause of mysterious events. The performance must include a technical representation of the mysterious events, a moving backdrop that helps portray traveling and a team-created device that the scientists use on the expedition. Visit the site for more information and dates for regional competitions. [READ MORE...](#)

EVENT (NASA) - World Space Week – 10/04 – 10/10, 2012

The Space Age began on Oct. 4, 1957, with the launch of Sputnik 1. To commemorate this event, World Space Week will be celebrated. During World Space Week, teachers are encouraged to use space-themed activities in the classroom. Educational materials can be found on the World Space Week website, and teachers can enter classroom events into the global calendar. [READ MORE...](#)